

HIGH SPEED ELECTRONIC REMOTE MEDICAL IMAGING SYSTEM AND METHOD

A medical imaging system with a base unit including an electronic display, and a remote imaging transducer connected to the display unit via a flexible cable. The cable includes a number of signal transmission lines, each of which includes a twisted pair of conductors for digital differential signal lines. Each conductor is connected at a first end to the transducer, and at a second end to the base unit. The signal transmission lines may be wrapped about a core, which may be an optical conduit communicating with a light source at the base unit.